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(54) **PUMP FOR LIQUID CHROMATOGRAPH,  
AND LIQUID CHROMATOGRAPH**

(75) Inventors: **Kenichiro Tokuo**, Hitachinaka (JP);  
**Kenji Hiraku**, Kasumigaura (JP);  
**Hironori Kaji**, Hitachinaka (JP);  
**Daisuke Akieda**, Hitachinaka (JP);  
**Kimihiko Ishii**, Hitachinaka (JP); **Naoya  
Yasuhara**, Hitachinaka (JP)

(73) Assignee: **HITACHI HIGH-TECHNOLOGIES  
CORPORATION**, Tokyo (JP)

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See application file for complete search history.

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*Primary Examiner* — Hezron E Williams

*Assistant Examiner* — Marrit Eyassu

(74) *Attorney, Agent, or Firm* — Baker Botts L.L.P.

(57) **ABSTRACT**

A pump controller causes a first plunger pump and a second  
plunger pump connected in series or in parallel to perform  
intake and compression actions alternately at substantially  
constant cycles, sets a pressurizing chamber of one of the  
plunger pumps to a state of a higher pressure than the pres-  
surizing chamber of the other plunger pump, and performs  
flow rate control by adjusting lift amounts of the first plunger  
and the second plunger. Thus, it is possible to provide a pump  
for liquid chromatograph, and a liquid chromatograph, which  
are capable of reducing pulsations even when an ejection flow  
rate is changed.

**17 Claims, 12 Drawing Sheets**

